

SHKODINSKAYA, Ye.N.; VASINA, O.S.; BERLIN, A.Ya.; SOV'INA, Z.P.; LARIONOV, L.F.

p-Di-(2-chlorethyl)-aminophenylalanine (sarcolysine) and its derivatives. Part 9: Optically active cytotoxic peptides. Zhur. ob. khim. 32 no.1:324-325 Ja '62. (MIRA 15:2)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.
(Alanine) (Peptides)

CHERNOVA, N.G.; BERLIN, A.Ya.

Investigations in the field of aryl- β -amino acids. Part 2:
 β -Phenyl- β -ureido acids and related compounds. Zhur.ob.khim.
32 no.2:596-599 F '62. (MIRA 15:2)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN
SSSR.

(Ureides)

BERLIN, A.Ya.; BRONOVITSKAYA, V.P.

Synthesis of β -[p-di(2-chloroethyl)aminophenyl]- β -hydroxy-propionic acid. Zhur.ob.khim. 32 no.2:600-603 F '62. (MIRA 15:2)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.

(Propionic acid)

CHERNOVA, N.G.; BERLIN, A.Ya.

21
Aryl- β -amino acids. Part 3: Effect of phosphorus oxychloride
on 6-aryl-5,6-dihydrouracil. Zhur.ob.khim. 32 no.3:955-958
Mr '62. (MIRA 15:3)

1. Institut eksperimental'noy i klinicheskoy onkologii Akademii
meditsinskikh nauk SSSR.

(PHOSPHORYL CHLORIDE) (HYDROURACIL)

SHKODINSKAYA, Ye.N.; KURDYUKOVA, Ye.M.; VASINA, O.S.; BERLIN, A.Ya.

p-Di(2-chloroethyl)aminophenylalanine (sarclysine) and its derivatives. Part 8: Cholesterol esters of ethylsarclysine and p-di(2-chloroethyl)aminophenylacetic acid. Zhur.ob.khim. 32 no.3:959-961 Mr '62. (MIRA 15:3)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.
(CHOLESTEROL ESTERS) (SARGOLYSINE) (ACETIC ACID)

MAKAROVA, A.N.; YEGOROVA, Z.M.; BERLIN, A.Ya.

Derivatives of di(α -aminoacylamido)-1,4-benzoquinones. Part 1:
Reaction of 2,5-dichloroacetamino-3,6-dichloro-1,4-benzoquinone
with ammonia and ethylenimine. Zhur.ob.khim. 32 no.4:1285-1289
Ap '62. (MIRA 15:4)

(Benzoquinone) (Ammonia) (Ethylenimine)

BERLIN, A.Ya.; YAGUZHINSKIY, L.S.

Potential cytotoxic groups. Part 1: Derivatives of N-phenyl-N-(2-chloroethyl)urethans. Zhur.ob.khim. 32 no.5:1638-1646 My '62.
(MIRA 15:5)

1. Institut eksperimental'noy i klinicheskoy onkologii Akademii meditsinskikh nauk SSSR.

(URETHANS)

BERLIN, A. YA.

GOFMAN, A.; FREY, A.I.; RUTSHMANN, I.; OTT, Kh.; SHEMYAKIN, M.M.; KISHFALUDI, L.; KOCHETKOV, N.K.; DEREVITSKAYA, V.A.; PROKOF'YEV, M.A.; SHABAROVA, Z.A.; FILIPPOVA, L.A.; SHANKMAN, S.; KHAYGA, S.; LIV, F.; ROBERTS, M.Ye.; GAVRILOV, N.I.; AKIMOVA, L.N.; KHLUDOVA, M.S.; MAKSIMOV, V.I.; IZELIN, B.M.; SHEPPARD, R.K.; SHKODINSKAYA, Ye.N.; VASINA, O.S.; BERLIN, A.Ya.; SOF'INA, Z.P.; LARIONOV, L.F.; KNUNYANTS, I.L.; GOLUBEVA, N.Ye.; KARPAVICHUS, K.I.; KIL'DISHEVA, O.V.; MEDZIGRADSKIY, K.; KAFAR, M.; LEV, M.; KORENSKI, F.; BUASSONA, R.A.; GUTTMAN, St.; KHOYGENIN, R.L.; ZHAKENO, P.A.; BAZHUS, S.; LENARD, K.; DUAL'SKI, S.; SHREDER, Ye.; SHMIKHEN, R.; KHOKHLOV, A.S.

Results of the Fourth European Symposium on the chemistry of peptides. Abstracts of reports. Zhur. VKHO 7 no.4:468-476 '62. (MIRA 15:8)

1. Aktsionernoye obshchestvo "Sandoz", Basel', Shveytsariya (for Gofman, Frey, Ott, Rutshmann).
2. Farmatsevticheskaya fabrika "G.Rikhter", Budapesht, Vengriya (for Kishfaludi, Korenski, Dualski).
3. Institut khimii prirodnikh soyedineniy AN SSSR, Moskva (for Kochetkov, Derevitskaya, Shemyakin, Khokhlov).
4. Laboratoriya khimii belka Moskovskogo gosudarstvennogo universiteta (for Prokof'yev, Shabarova, Filippova, Gavrilov, Akimova, Khludova).
5. Fond meditsinskikh issledovaniy, Passadena, Kaliforniya, Sev.Soyed.Shtaty Ameriki (for Shankman, Khayga, Liv, Roberts).
6. Laboratoriya khimii belka Instituta organicheskoy

(Continued on next card)

Gofman, A.,---(Continued) Card 2.

khimii AN SSSR, Moskva (for Maksimov). 7. Aktsionernoye obshchestvo "TSiba", Bazel', Shveytsariya (for Izelin). 8. Liverpul'skiy universitet, Angliya (for Sheppard). 9. Institut eksperimental'noy i klinicheskoy onkolofii AMN SSSR, Moskva (for Shkodinskaya, Vasina, Berlin, Sof'ina, Larionov). 10. Institut elementoorganicheskikh soyedineniy AN SSSR, Moskva (for Knunyants, Golubeva, Karpavichus, Kil'disheva). 11. Institut organicheskoy khimii Budapeshtskogo universiteta, Vengriya (for Medzigradskiy, Kaftar, Lev). 12. Farmatsevticheskiy otdel Aktsionernogo obshchestva "Sandos", Bazel', Shveytsariya (for Buassona, Guttman, Khoygenin, Zhakeno, Rutshmann). 13. Issledovatel'skiy institut farmatsevticheskoy promyshlennosti, Budapesht, Vengriya (for Bazhus, Lenard). 14. Aktsionernoye obshchestvo "Shering", Zapadnyy Berlin (for Shreder, Shmikhen).
(Peptides--Congresses)

VASIL'YEVA, M.N.; BERLIN, A.Ya.

Synthesis of di(2-chloroethyl) amino derivatives of pyrocatechol.
Zhur.ob.khim. 32 no.9:3088-3090 S '62. (MIRA 15:9)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.
(Pyrocatechol)

BERLIN, A.Ya.; YAGUZHINSKIY, L.S.

Potential cytotoxic groupings. Part 2: Biurethan derivatives of
phenylacetic acid. Zhur.ob.khim. 32 no.9:3091-3096 S '62.
(MIRA 15:9)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN
SSSR.

(Acetic acid) (Urethans) (Cytotoxic drugs)

BERLIN, A.Ya.; CHINAYEVA, A.D.

Hydrolysis of some di(2-ethyl) amines. Part 2. Zhur.ob.
Khim. 33 no.2:610-611 P. 1961. (MIRA 16:2)

1. Institut eksperimental'noy i klinicheskoy onkologii
AN SSSR.

(Ethylamine)

(Hydrolysis)

BERLIN, A.Ya.; LEVI, I.S.

Bis(β -chloroethyl)amines, derivatives of urea and thiourea.
Zhur.ob.khim. 33 no.3:860-865 Mr '63. (MIRA 16:3)

1. Institut eksperimental'noy i klinicheskoy onkologii
AMN SSSR.

(Amines) (Urea)

SHKODINSKAYA, E.N.; VASINA, O.S.; BERLIN, A.Ya.; SOF'INA, Z.P.;
LARIONOV, L.F.

Synthesis and biological investigation of optically active cytotoxic peptides. Coll Cz Chem 27 no.9:2254-2255 S '62.

1. Institute of Experimental and Clinical Oncology, Academy of Medical Sciences of the U.S.S.R., Moscow (for Shkodinskaya, Berlin, Sof'ina, and Larionov).

BERLIN, Aleksandr Yakovlevich; ZITSER, A.I., red.; PANTELEYEVA, L.A.,
tekhn. red.

[Laboratory work and equipment in organic chemistry] Tekhnika
laboratornoi raboty v organicheskoi khimii. Izd.2., ispr. 1
dop. Moskva; Goskhimizdat, 1963. 372 p. (MIRA 16:8)
(Chemistry, Organic—Laboratory manuals)

KURDYUMOVA, K. N.; BERLIN, A. Ya.

Derivatives of 2-benzoyloxy-4,6-diethylenimino-1,3,5-triazine.
Zhur. ob. khim. 33 no.1:129-131 '63. (MIRA 16:1)

1. Institut eksperimental'noy i klinicheskey onkologii AMN
SSSR.

(Triazine)

MAKAROVA, A.N.; MARTYNOV, V.S.; ~~REGLIN, A.Ya.~~

Diaminodiethyleneiminobenzoquinones. Part 1: Reactions of
fluoranyl with amines and with esters of α -amino acids. Zhur.
ob. khim. 33 no.5:1643-1647 My '63. (MIRA 16:6)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.
(Benzoquinone) (Amines) (Amino acids)

CHEKNOVA, N.G.; RYBKINA, Ye.I.; BERLIN, A. Ya.

Aryl- β -amino acids. Part No.4: V.M. Rodionov, reaction with
some aryl aliphatic aldehydes. Synthesis of δ -[p-di(2-chloroethyl)
aminophenyl]- β -aminovaleric acid. Zhur. ob. khim. 34 no.7:
2129-2133 J1 '64 (MIRA 17:8)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN
SSSR.

BERLIN, A.Ya., YAOZHINSKIY, L.S.

Reactions of antineoplastic alkylating compounds. Usp. khim.
34 no.7:1293-1310 J1 '65. (MIRA 18:7)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.

acids

as the product of the reaction of 1,1,1-trichloroethyl-4-N-phenylsulfonate with sodium hydroxide in dimethyl sulfoxide.

1,1,1-trichloroethyl-4-N-phenylsulfonate was prepared by the reaction of 1,1,1-trichloroethyl-4-N-phenylsulfonate with sodium hydroxide in dimethyl sulfoxide.

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MARTYNOV, V.S.; MAKAROVA, A.N.; BERLIN, A.Ya.

2,6-Difluoro-3,5-diethylenimino-1,4-benzoquinone. Zhur. ob.
khim. 34 no.8:2807-2808 Ag '64. (MIRA 17:9)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.

MAKAROVA, A.N.; BERLIN, A.Ya.

Derivatives of 2,5-dihydroxy-3,6-diaceto-1,4-aminobenzoquinone.
Zhur. ob. khim. 34 no.9:3037-3041 S '64.

(MIRA 17:11)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.

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ACCESSION NR: AP5011027

Experimental Laboratory of the Ministry of Defense

Institute of Experimental Medicine

IN 1

1971

YAGUZHINSKIY, I.S.; CHINAYEVA, A.D.; BERLIN, A.Ya.

Potential cytotoxic arrangements. Part 6: Reactivity of esters of
N-methyl and N-(2-chloroethyl N-arylsulfamic, carbamic and sulfimic
acids. Zhur. org. khim. 1 no.1:86-89 Ja '65. (MIRA 18:5)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.

VASIL'YEVA, M.N.; BERLIN, A.Ya.

Reaction of pyrocatechol and protocatechuyl alcohol with diethanolamine in the presence of silver oxide. Zhur.org.khim. 1 no.2:318-321 F '65. (MIRA 18:4)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.

CHEŔNOVA, N.G.; RYBKINA, Ye.I.; PERLIN, A.Ya.

Synthesis of β -Amino acids. Part 5: 6- β -[p-di(2'-chloroethyl)
aminophenyl]ethyl-5,6-dihydrouacil. Zhur.org.khim. 1 no.3:598-
600 Mr '65. (MIRA 18:4)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.

MAZAROVA, A.N.; BERLIN, A. V.

Reaction of diacyloxydihalo-1,4-benzoquinines with amines.

Part 2. Zhur. org. khim. 1 no. 12:2159-2164 D '65

(MIRA 19:1)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.

Submitted October 10, 1964.

L 3174-66 EWT(m)/EPF(c)/EWP(j)/T RM

ACCESSION NR: AP5010166

UR/0020/65/161/002/0373/0376

AUTHORS: Berlin, Al. Al.; Barkalov, I. M.; Yenikolopyan, N. S.; Gol'danskij, V. I. (Corresponding member AN SSSR)

TITLE: Kinetic features of nonisotropic polymerization in the solid phase

SOURCE: AN SSSR. Doklady, v. 161, no. 2, 1965, 373-376

TOPIC TAGS: polymerization, kinetics, defect healing

ABSTRACT: The kinetic features of solid phase polymerization were examined, considering the nonisotropic growth of the polymer chain. The post-polymerization process, during which the formation of active centers and the growth of chains are separated in time, was investigated. The authors consider three cases. The first relates to the growth of the polymer chain from an active center to a defect in a crystal lattice. Starting with equations for concentration of active centers along coordinate directions, an equation is derived to express the kinetic curve:

$$M \simeq \frac{R_0}{\alpha} (1 - e^{-k_1 t}) + \frac{R_0}{\delta} (1 - e^{-k_2 t}) ,$$

where R_0 is the initial concentration of radicals per unit volume, α the

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probability of encountering a defect, δ the probability of complete destruction of an active center, k_1 and k_2 growth constants for two directions of growth, and t time. This equation is valid only when the prepared active centers quickly change to growing polymers. The second case considered relates to the situation when this change is slow. The kinetic curve then has the form

$$\Pi = \frac{k_1 A_0}{\alpha} t + \frac{k_1 - k_2}{k_1 \alpha} A_0 (1 - e^{-k_1 t}) ,$$

where k_1 is the initiation constant and A_0 is the initial concentration. When $k_1 > k_2$, the curve is similar to that above. When $k_1 = k_2$, the curve is straight, and when $k_1 < k_2$, the curve has an induction period. When the defects are annealed by monomolecular mechanism, the relations are different again, and the kinetic curve is expressed by

$$\Pi \approx \frac{k_1 R_0 t + R_0 (1 - e^{-k_1 t})}{\alpha + \delta e^{-k_1 t}} ,$$

where k_{OT} is the constant for the annealing rate. The curve is somewhat S-shaped, and this is in agreement with experimental work. The authors point out that the kinetic pattern is not substantially changed if k_2 is considered to be the growth constant of any elemental act, such as growth of the chain, transfer of the chain,

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ACCESSION NR: AP5010166

copolymerization, migration of defects, and the like. Orig. art. has: 3
figures and 10 formulas.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of
Chemical Physics, Academy of Sciences SSSR)

SUBMITTED: 22Sep64

ENCL: 00

SUB CODE: GC, SS

NO REF SOV: 003

OTHER: 002

Card 3/3 *ma*

APPROVED FOR RELEASE: 06/08/2000
 Pr-4/Pu-4/Peh GO/JAD/RM
 ACCESSION NR: AP5007569

SOURCE: AN SSSR. Doklady, v. 160, no. 5, 1965, 1104-1107

TOPIC TAGS: solid state polymerization, radiation polymerization, chain initiation, chain propagation

ABSTRACT: The article presents some kinetic data on the growth of the polymer chain in only one of the possible directions in a crystal. Chain initiation is discussed in terms of formation of active centers under the influence of radiation; this formation may occur in a primary or secondary reaction. Chain growth is discussed in terms of fast chain growth, initiation and slow chain growth, slow initiation and fast chain growth, with breaking of the crystal; (4) Defects caused by the radiation are healed at an elevated temperature. Although the treatment pertains to

1. COLLECT

of chain propagation, the form of the basic equations derived from the theory of

SUBMITTED: 22SEP64

ENCL: 00

BERLIN, A. Ye.

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV,
S.S., kand. tekhn. nauk.; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye., inzh.;
BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY,
I.A., inzh.; BURAKAS, A.I., inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY,
I.N., inzh.; VASIL'YEVA, A.A., inzh.; VORONIN, S.A., inzh.; VOYTSEKHOVSKIY,
L.K., inzh.; VNUBLEVSKIY, A.A., inzh.; GERSHMAN, S.G., inzh.;
GOLUBYATNIKOV, G.A., inzh.; GOHLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.;
DASHEVSKIY, A.P., inzh.; DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L., inzh.;
DROZDOV, P.F., kand. tekhn. nauk.; KOZLOVSKIY, A.A., inzh.; KIRILENKO,
V.G., inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk.; KORETSKIY, M.M., inzh.;
KUKHARCHUK, I.N., inzh.; KUCHER, M.G., inzh.; MERZLYAK, M.V., inzh.;
MIRONOV, V.V., inzh.; NOVITSKIY, G.V., inzh.; PADUN, N.M., inzh.;
PANKRAT'YEV, N.B., inzh.; PARKHOMENKO, V.I., kand. biol. nauk.; PINSKIY,
Ye.A., inzh.; POILUBNYI, S.A., inzh.; PORAZHENKO, F.F., inzh.; PUZANOV,
I.G., inzh.; REDIN, I.P., inzh.; REZNIK, I.S., kand. tekhn. nauk.;
ROGOVSKIY, L.V., inzh.; RUTERMAN, A.G., inzh.; RYBAL'SKIY, V.I., inzh.;
SADOVNIKOV, I.S., inzh.; SEVER'YANOV, N.N., kand. tekhn. nauk.; SEMESHKO,
A.T., inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N., inzh.; TROPIMOV,
V.I., inzh.; FEFER, M.M., inzh.; FIALKOVSKIY, A.M., inzh.; FRISHMAN,
M.S., inzh.; CHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIFMAN,
M.I., inzh.; SHUMYATSKIY, A.F., inzh.; SHCHERBAKOV, V.I., inzh.;
STANCHENKO, I.K., otv. red.; LISHIN, G.L., inzh., red.; KRAVTSOV, Ye.P.,
inzh., red.; GRIGOR'YEV, G.V., red.; KAMINSKIY, D.N., red.; KRASOVSKIY,
I.P., red.; LEYTMAN, L.Z., red. [deceased]; GUREVICH, M.S., inzh., red.;
DANILEVSKIY, A.S., inzh., red.; DEMIN, A.M., inzh., red.; KAGANOV,
S.I., inzh., red.; KAUFMAN, B.N., kand. tekhn. nauk., red.; LISTOPADOV,
N.P., inzh., red.; MENDELEVICH, I.R., inzh., red. [deceased];
(continued on next card)

AGALINA, M.S.... (continued) Card 2.

PENTKOVSKIY, N.I., inzh., red.; ROZENBERG, B.M., inzh., red.; SLAVIN, D.S., inzh., red.; FEDOROV, M.P., inzh., red.; TSYMBAL, A.V., inzh., red.; SMIRNOV, L.V., red. izd-va; PROZOROVSKAYA, V.L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheskiy spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol. 3. [Organization of planning; Construction of surface buildings and structures] Organizatsiya proektirovaniya; Stroitel'stvo zdaniy i sooruzheniy na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)
(Mining engineering)
(Building)

BERLIN, A. Ye Dr. Chem. Sci.

Dissertation: "Chemistry and Technology of Processing Domestic Boron-Containing Ores." Moscow Inst of Fine Chemical Technology imeni M. V. Lomonosov, 24 Mar 47.

SO: Vechernyaya Moskva, Mar, 1947 (Project #17836)

OSTROVSKIY, I.I., red.; FEDOROV, A.M., red.; ~~BERLIN, A.Ye., red.~~
IFTINKA, G.A., red.izd-va; RODIONOVA, V.M., tekhn. red.

[Construction specifications and regulations] Stroitel'-nye normy i pravila. Moskva, Gosstroizdat. Pt.2. Sec.M. ch.4. [Underground workings of enterprises for mining minerals; norms for planning] Podzemnye gornye vyrabotki predpriatii po dobyche poleznykh iskopaemykh; normy proektirovaniia (SNiP II-M. 4-62). 1963. 51 p.

(MIRA 16:10)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroitel'stva SSSR (for Ostrovskiy). Mezhdovedomstvennaya komissiya po peresmotru stroitel'nykh norm i pravil pri Akademii stroitel'stva i arkhitektury SSSR (for Fedorov).
 3. Vsesoyuznyy tsentral'nyy gosudarstvennyy institut po proyektirovaniyu i tekhniko-ekonomicheskim obosnovaniyam razvitiya ugol'noy promyshlennosti (for Berlin).
- (Mining engineering)

SEVER'YANOV, N.N., kand. tekhn. nauk, red.; BERLIN, A.Ye.,
retsenzent; VOYTSEKHOVSKIY, G.A., retsenzent;
DAVYDOVA, Ye.A., retsenzent; ZIL'BERSHTEYN, Ya.Yu.,
retsenzent; KIRICHINSKIY, N.R., retsenzent; KLEPIKOV,
L.N., retsenzent; KUBYNIN, A.Ye., retsenzent; LEBEDEV,
V.V., retsenzent; MOROZOV, V.P., retsenzent; MOSKVIN,
V.B., retsenzent; MUSARSKIY, I.S., retsenzent; PODERNI,
Yu.S., retsenzent; SALIKOV, I.A., retsenzent; SUSHCHENKO,
A.A., retsenzent; TRET'YAKOV, K.M., retsenzent; UL'YANOV,
V.P., retsenzent; TSVIRKO, P.P., retsenzent; TSOY, A.G.,
retsenzent; CHEL'TSOV, M.I., retsenzent; SHISHCHITS, G.N.,
retsenzent; DIDKOVSKIY, D.Z., otv. red.

[Handbook on the prospecting, planning, and construction
of strip mines] Spravochnik po izyskaniyam, proektirovaniyu
i stroitel'stvu kar'erov. Moskva, Nedra, 1964. 2 v.
(MIRA 18:2)

KAFUSTIN, Nikolay Georgiyevich; KVON, Sergey Syn-Guvich; BERLIN,
A.Ye., inzh., retsenzent; KOVSH, B.I., inzh.,
retsenzent; BRODSKIY, I.A., inzh, retsenzent; CHECHKOV,
L.V., ved. red.; BIRYUKOV, R.A., prof., otv. red.

[Principles of designing coal mines] Osnovy proektirova-
niia ugol'nykh shakht. Moskva, Nedra, 1964. 267 p.

(MIRA 18:2)

1. Vsesoyuznyy tsentral'nyy gosudarstvennyy institut po
proyektirovaniyu i tekhniko-ekonomicheskim obosnovaniyam
razvitiya ugol'noy promyshlennosti (for Berlin, Kovsh,
Brodskiy).

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 300 USSR) SOV/137-59-3-7028

AUTHOR: Berlin, A. Z.

TITLE: Carburizing of Steel Parts With Natural Gas in Shaft Furnaces (Tse-mentatsiya stal'nykh detaley prirodnym gazom v shakhtnykh pechakh)

PERIODICAL: Byul. tekhn.-ekon. inform. Sovnarkhoz Rostovsk. ekon. adm. r-na, 1958, Nr 5, pp 3-5

ABSTRACT: A description of an advanced method of gas carburizing of steel components utilizing Stavropol' natural gas containing 96.8% CH₄, 0.38% C₂H₆ and C₃H₈, 0.06% C₄H₁₀+C_nH_n, 0.2% CO₂, and 2.3% N₂. The gas is introduced into type Ts-90 and Ts-150 furnaces through a flow-metering device. The components are charged into the furnace at a temperature of 900-920°C. After it had been ascertained that the furnace was sealed properly, the gas was introduced into the two furnaces at a rate of 0.82 and 0.9 m³/hr respectively; the operating temperature in all zones of the furnace amounts to 930±10°. After a temperature of 900° had been reached, the consumption of gas is maintained at a constant value, amounting to 0.75 and 0.85 m³/hr, respectively, until the end of the charging cycle. A period of 14

Card 1/2

SOV/137-59-3-7028

Carburizing of Steel Parts With Natural Gas in Shaft Furnaces

hours is required to obtain a hardened layer 1.2-1.6 mm deep. The carburizing technique described ensures the attainment of properties which satisfy the technical specifications and results in an approximate annual saving of 57,000 rubles.

A. B.

Card 2/2

BERLIN, A.Z., insh.

Gray iron hardening by high-frequency current. Mashinostroitel'
no.2:25 F '60. (MIRA 13:5)

1. TSentral'naya laboratoriya zavoda "Rostsel'mash."
(Iron--Hardening)

BERLIN, A.Z., inzh.; LEŠNYKH, D'S., kand.tekhn.nauk

Cementation by natural gas at the Rostov Agricultural Machinery
Plant. Metalloved. i term. obr. met. no.3:61-62 Mr '61.

(MIRA 14:6)

1. Rostovskiy zavod sel'khoz mashinostroyeniya i Rostovskiy
gosudarstvennyy universitet.

(Rostov-on-Don--Agricultural machinery industry)
(Cementation (Metallurgy))

GOLIKOV, N.S., inzh.; FILATOV, A.D., inzh.; BERLIN, B.I., inzh.

Mastering the technology of producing electrolytically tinned
sheet iron. Stal' 25 no.4:341-346 Ap '65. (MIRA 18:11)

Berlin, 1957.

ARKHAROV, Aleksey Mikhaylovich; MIRONOV, Georgiy Georgiyevich; ZAVARTSEV, A.M., inzh., retsenzent; BERZIN, B.O., kand.tekhn.nauk, red.; TAIROVA, A.L., red, izd-va; EL'KIND, V.D., tekhn.red.

[Automatic recording of the performance of machines] Avtomaticheskii uchët raboty mashin. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroït. lit-ry, 1957. 113 p. (MIRA 11:3)
(Machine-shop practice) (Recording instruments)

1. BERLIN, D.Ye.
2. USSR (600)
4. Electric Power
7. Work of all around crews on electric power economy, Prom.energ. no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

~~BERLIN, B.I.~~, inzh.; SERGEYEV, A.F., inzh.

Using vertical drains in constructing subgrades in swampy
localities. Avt. dor. 22 no.5:14-15 My '59.

(MIRA 12:8)

(Drainage) (Road construction)

BERLIN, G. A.

USSR/Medicine - Infectious Diseases; Dec 53
Therapeutic Sleep

"The Effect of Protective Inhibition on Some Pathological Processes," B. L. Mazur, G. A. Berlin, Kazan' Inst of Epidemiol and Mikrobiol; Chair of Tuberculosis, Kazan' Med Inst.

Zhur Mikro Epid i Immun, No 12, pp 14-18

Found that under specific exptl conditions drug-induced sleep prevents the death of rabbits from intoxication produced by an otherwise lethal dose of paratyphoid B. Under the same conditions, drug-induced sleep had no effect on development of the

274736

Sanarelli-Schwartzmann phenomenon on injection of B. coli filtrate, generalization of tuberculosis allergy to B. coli produced by tuberculosis bacilli, or the Bordet phenomenon produced by B. Calmette-Guerin. Acc to preliminary data, prolonged drug-induced sleep does not interfere with development of immunity.

BATUNIN, M.P.; BERLIN, G.A.

Is a repeated Wasserman test necessary for pregnant subjects?

West.derm.i ven. 3/4 no.8:61-62 '60.

(MIRA 13:11)

(SYPHILIS--WASSERMANN REACTION)

BATUNIN, M.P.; BERLIN, G.A.

Wassermann examination of patients in somatic hospitals. Vest.
derm.i ven. no.1:63-64 '62. (MIRA 15:1)
(~~SYPHILIS~~—~~DIAGNOSIS~~—WASSERMANN REACTION)

BATUNIN, M.P., zasluzhennyi deyatel' nauki, prof.; BERLIN, G.A.,
zasluzhennyi vrach RSFSR, kand.med.nauk

Role of mass serological examinations for the detection of
latent syphilis. Vest. dermat. i ven. 37 no.1:66-69 Ja'63.
(MIRA 16:10)

(SYPHILIS—DIAGNOSIS)

BERLIN, G. S.

Maslenshchik neftepromyslovoy nasosnoy ustanovki (Lubricator of petroleum pumping installations, by) G. S. Berlin i Ye. A. Traynin. Moskva, Gostoptekhizdat, 1953
146 p. illus., diagrs., tables.
"Literatura": p. (145)

SO: N/5
735.5
.b5

BERLIN, GEORGIY SEMENOVICH

MIRBALAYEV, Salan Beyuk; SKORNYAKOV, MIKHAIL VLADIMIROVICH; BERLIN, GEORGIY SEMENOVICH; TRAYNIN, YEFIM ABRAMOVICH; NOVIKOV, M.M., redaktor; TROVIMOV, A.V., technicheskiy redaktor.

[Practical handbook for major and underground repairing of wells] Prakticheskoe rukovodstvo po kapital'nomu i podzemnomu remontu skvashin. Moskva. Gos. nauchno-tekhn. izd-vo neftianoi i gosnotoplivnoi lit-ry, 1955. 275 p. [Microfilm].
(Oil wells--Equipment and supplies--Repairing) (MLRA 8:7)

DADASHEV, B.A.; BERLIN, G.S.,

Make full use of the capacity of deep well equipment, Azerb. нефт.
khoz. 38 no. 9:47-48 S '59.. (MIRA 13:2)
(Oil wells--Equipment and supplies)

BERLIN, G.S.; TRAYNIN, Ye.R.

Working pressures in petroleum production. Neftianik 5 no.11:12-13
N '60. (MIRA 13:11)

1. Sotrudniki Azerbaydzhanskogo nauchno-issledovatel'skogo instituta
neftyanogo mashinostroyeniya.
(Oil fields--Equipment and supplies)

BERLIN, G.S.

Electron-mechanical transducer of minor movements and stresses. Prib.
i tekhn. eksp. 6 no. 5:152-157 S-0 '61. (MIRA 14:10)
(Transducers)

ANDREYEV, Yu.Ya.; BERLIN, G.S.; KOTLYAR, A.A.

Electronic high-temperature scales. Prib.i tekhn.eksp. 6 no.5:157-
159 S-0 '61. (MIRA 14:10)

(Weighing instruments)

ACCESSION NR: AT4013986

S/3070/63/000/000/0174/0177 |

AUTHOR: Berlin, G. S.

TITLE: Device for continuous verification of the diameter of thin wire

SOURCE: Novy*ye mashiny* i pribory* dlya ispy*taniya metallov. Sbornik statey. Moscow, Metallurgizdat, 1963, 174-177

TOPIC TAGS: continuous diameter verification, thin wire diameter, mechanotronic micrometer, wire, wire uniformity, micrometer

ABSTRACT: One of the basic requirements for thin wire made of tungsten, molybdenum, or other metals and alloys used in the production of electrovacuum devices is the constancy of the diameter along its length. The special devices developed recently for verification of the diameter and ovalness of thin wire, for example the TsL-211 and TsL-48 devices of the Byuro Vzaimozamenyayemosti (Bureau of Interchangeability) and the device of the NPL in England, are intended for laboratory investigations only, since they are complex, expensive, of low productivity, and do not permit continuous verification. A device has been developed by the author on the basis of a recording mechanotronic micrometer, of relatively simple design, for continuous verification of the diameter of moving thin wire. It is suitable for work under both laboratory and production conditions.

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ACCESSION NR: AT4013986

The kinematic scheme of this device is shown in Fig. 1 of the Enclosure. As the inspected wire is wound from spool to spool it passes between two contacts of a measuring stand. The movable upper contact picks up variations in wire diameter and transmits them to the mechanotron, where they are measured by the mechanotronic micrometer and recorded by a potentiometer EPP-09. The arrangement of the measuring-contact stand is shown in Fig. 2 of the Enclosure. A schematic illustration of the finely finished hard metal contacts is given in Fig. 3 of the Enclosure. For measurements, a preload of 10 to 50 g on the contacts and a pretension of 10 to 200 g on the wire are used. Continuous verification can be performed on tungsten wire 6-150 μ thick. In the case of more plastic metals, such as molybdenum, 20-250 μ wire can be handled. Deviations from a mean diameter can be recorded with a precision of not less than 0.1 μ , provided the speed of the wire is not greater than 1 m/min. The recording feature of the device permits construction of diagrams showing the micro-profile of the wire surface along its axis. Orig. art. has: 5 figures.

ASSOCIATION: None

SUBMITTED: 00

SUB CODE: MM,IE

Card 2/6

DATE ACQ: 20Feb64

NO REF SOV: 003

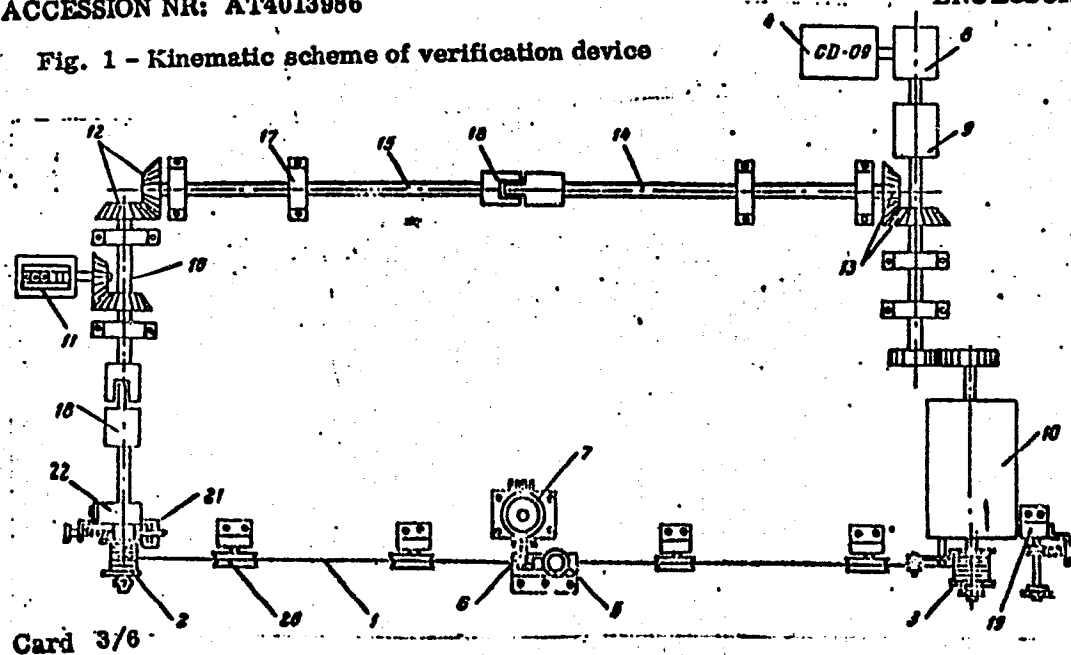
ENCL: 04

OTHER: 001

ACCESSION NR: AT4013986

ENCLOSURE: 01

Fig. 1 - Kinematic scheme of verification device



ACCESSION NR: AT4013986

ENCLOSURE: 02

Fig. 1 (Continued)

- 1 - wire under inspection
- 2 - unwinding spool
- 3 - receiving spool
- 4 - electricmotor, 300 rpm
- 6 - mechanotron
- 7 - micrometric vertical adjustment for mechanotron
- 8 - worm-gear reducer; output shaft 100 rpm
- 9 - shift-gear box; output shaft 100 to 1 rpm in steps
- 10 - special reducer for uniform distribution of wire on spool 3
- 11 - revolution counter
- 12- and 13- conical gears
- 14, 15 and 16- shafts
- 17 - pillow block
- 18 - clutch for reversed winding
- 19 - brake
- 20 - guide pulleys
- 21 - wire tensioning brake
- 22 - tensioning brake support

Card 4/6

ACCESSION NR: AT4013986

ENCLOSURE: 03



Fig. 2 - Measuring - contact stand

- 1 - stand body
- 2 - lower contact clamping screw
- 3 - lower (fixed) contact
- 4 - upper (movable) contact
- 5 - upper contact holder
- 6 - spring between upper contact holder and rocker
- 7 - rocker
- 8 - rocker pin
- 9 & 10 - clamp and screws for rocker adjustment
- 11 - guide fork
- 12 - preloading adjustment screw
- 13 - preloading calibrated spring
- 14 - pointer
- 15 - prism supporting mechanotron on upper contact

Card 5/6

51"
ACCESSION NR: AT4013986

ENCLOSURE: 04

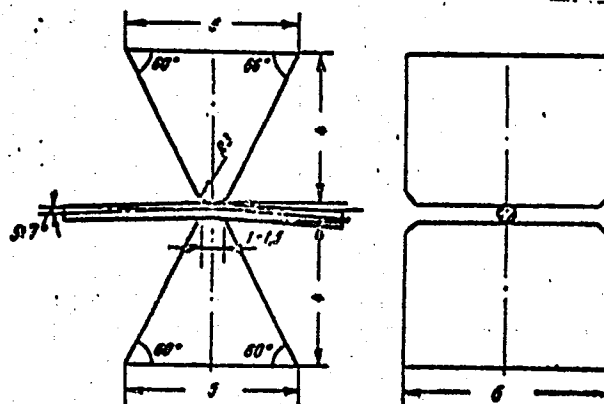


Fig. 3 - Schematic Illustration of Measuring Contacts
(dimensions in millimeters)
Material - "Pobedit"

Card 6/6

BERLIN, I.

MOROZOV, A.; BERLIN, I.

Fire safety in granaries, elevators, and mills under the Ministry
of Procurements. Muk.-elev.prom.21 no.8:12-13 J1[Ag] '55.
(MIRA 8:12)

1. Ministerstvo zagotovok
(Fire prevention)

BERLIN, I.

~~SECRET~~

New developments in fire extinction techniques. Muk.-elev.prem.
21 no.11:8-9 N '55. (MIRA 9:4)

1.Ministerstvo zagotovok SSSR.
(Fire extinction)

BERLIN, I.

Fireproofing wooden structures. Muk.-elev.prom. 22 no.1:20-21
Ja '56. (MLRA 9:5)

1. Ministerstvo zagotovok.
(Fireproofing)

BERLIN, I., inshener.

Fireproofing of filter cloths. Muk.-elev.prom.22 no.10:23-24 0
'56. (MLBA 9:12)

(Fireproofing) (Filters and filtration)

BERLIN, I., insh.

Lightning protection for grain elevators, granaries, and flour
and feed mills. Muk.-elev. prom. 25 no.8:24-26 Ag 59.
(MIRA 13:1)

1.Gosudarstvennyy komitet Soveta Ministrov SSSR po khleboproduktam.
(Lightning protection) (Grain elevators)
(Flour mills)

BERLIN, I.A.

105-9-31/32

AUTHORS: Uapenskiy, B.S., Dotsent, Krichevskiy, A.S., Engineer,
Berlin, I.A., Engineer

TITLE: Review of the Book by M.M.Sinayskiy "Electrical Drive of Stop
Sluices for Waterworks" (Bibliografiya: M.M.Sinayskiy
"Elektricheskiy privod zatvorov gidrosooruzheniy")

PERIODICAL: Elektrichestvo, 1957, Nr 9, pp. 91-92 (USSR)

ABSTRACT: Published by Gosenergoizdat, 200 pages, price Roubles 6,75.
Sinayskiy is a leading specialist in this domain. Most of the
stop sluices in the USSR were built under his supervision. The
book consists of XIII chapters, it is short and precisely written;
formulation is distinct and clear.
1. Chapter: General evaluation of the peculiarities of electrical
drive. 2. Chapter: Determination of the load of electromotors.
3. Chapter: Mechanical properties. 4. Chapter: General methods
for the construction of the natural and rheostat characteristics
of three-phase motors. 5. Chapter: Thermal calculations of
electromotors. 6. Chapter: Characteristic schemes of the power
circuits and the basic nodes of control power circuit schemes.
7. Chapter: Methods for the determination of the amount of start-
ing- and regulation resistances and of the selection of normal
resistance cases according to computation data. 8. Chapter:
Electrical safety devices. 9. Chapter: Basic technical data on

Card 1/2

Review of the Book by M.M.Sinayskiy "Electrical Drive of Stop Sluices for Waterworks" 105-9-31/32

the apparatus used for the electric drive of stop sluices.
10. Chapter: Signaling devices. 11. Chapter: Various systems of synchronous compounds. 12. Chapter: Energy supply of the sluices. 13. Chapter: Practical indications for the adjustment and testing of the various elements of the electrical drive of lock sluices.

ASSOCIATION: Gidroenergoprojekt

AVAILABLE: Library of Congress

Card 2/2

BERLIN, I.A., mostovoy master (st.Molodechno, Belorusskoy dorogi)

Replacement of span structures on sections with jointless
rails. Put' put.khoz. no.9:31 S '59. (MIRA 12:12)
(White Russia--Railroad bridges)

BERLIN, I. A.
PHASE X

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 720 - X

[For Vols. I & II see AID 1 - II]

Call No.: AF662858

BOOK

Author: ALISOV, B. P., BERLIN, I. A. and MIKHEL', V. M.

Full Title: COURSE OF CLIMATOLOGY. Part III: CLIMATES OF THE EARTH

Transliterated Title: Kurs klimatologii. Chast' III: Klinaty zemnogo shara

PUBLISHING DATA

Originating Agency: None

Publishing House: Hydrometeorological Publishing House (GIMIZ)

Date: 1954

No. pp.: 320

No. of copiers: 6,000

Editorial Staff

Editor: Rubinshteyn, Ye. S.

PURPOSE AND EVALUATION: This book was approved by the Ministry of Higher Education as a textbook for state universities and hydrometeorological institutes as Part III of the general study of earth climates. The book is considered in Soviet literature on meteorology and climatology as a basic textbook and is frequently referred to as a reference source by other authors. The selection of the material is excellent and it is well-presented. The book can be favorably compared with the following American textbooks: Climatology, General and Regional, by Thomas A. Blair (U.S. Weather Bureau and Asst. Prof. of University of Nebraska), 1942; The Climates of the Continents, by W. G. Kendrew.

NOTE: See card for ALISOV, B. P. for pages 2-5.

BERLIN I. A.

BURKOVSKAYA, Ye.Kh.; nauchnyy sotrudnik; IGRUNOV, V.D., nauchnyy sotrudnik;
NECHAYEV, I.N., nauchnyy sotrudnik; BOBRIKOVA, V.N.; TEREHT'YEVA,
T.N.; SHCHERBAKOVA, L.F.; BERLIN, I.A., otv.red.; KITAYTSEV, A.M.,
red.; KUZ'MIN, L.A., red.; OLIMPOV, V.G., red.; SKITEYKIN, I.S.,
red.; RUSIN, N.P., red.; MARTYNOV, S.I.; red.; SIMONOV, Ya.P.,
red.; IVANOV, A.P., red.; BESSONOV, N.P., red.; YASNOGORODSKAYA,
M.M., red.; VLADIMIROV, O.G., tekhn.red.

[Directions for hydrometeorological stations and posts] Nastavlenie
gidrometeorologicheskim stantsiam i postam. Leningrad, Gidrometeor.
(Continued on next card)

BURKOVSKAYA, Ye.Kh.--(continued) Card 2.

izd-vo. No.3, pt.2. [Working up materials of meteorological
observations] Obrabotka materialov meteorologicheskikh
nabliudenii. 1958. 85 p. (MIRA 13:1)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeoro-
logicheskoy sluzhby. 2. Glavnaya geofizicheskaya observatoriya im.
A.I.Voyeykova (for Burkovskaya, Igrunov, Nechayev). 3. Starshiye
inzheneri Nauchno-issledovatel'skogo instituta aeroklimatologii
(for Bobrikova, Terent'yeva). 4. Glavnoye upravleniye Gidrometeo-
rologicheskoy sluzhby SSSR (for GUOMS) (for Kitaytsev, Kuz'min,
Olimpov, Skiteykin). 5. Glavnaya geofizicheskaya observatoriya (GGO)
(for Berlin, Nechayev, Rusin, Shcherbakova). 6. Upravleniye gidro-
meteorologicheskoy sluzhby (UGMS) (for Martynov, Simonov, Ivanov,
Bessonov).

(Meteorology--Observers' manuals)

BERLIN, I.A.

Studying the diurnal variation of the relative humidity of air.
Trudy GGO no.86:10-16 '58. (MIRA 11:11)
(Humidity)

VOLOKH, V.G.; GUSHCHINA, M.V.; IGRUNOV, V.D.; NECHAYEV, I.N.; POKROVSKAYA, I.A.; TRIFONOVA, T.S.; TSYGANOVA, A.M.; RUSIN, N.P., otv.red.; KITAYTSEV, A.M., red.; KUZ'MIN, L.A., red.; OLIMPOV, V.G., red.; SKITEYKIN, I.S., red.; BERLIN, I.A., red.; NECHAYEV, I.N., red.; SHCHERBAKOVA, L.F., red.; MARTYNOV, S.I., red.; SIMONOV, Ya.P., red.; IVANOV, A.P., red.; BESSONOV, N.P., red.; YASNOGORODSKAYA, M.M., red.; VLADIMIROV, O.G., tekhn.red.

[Directions for hydrometeorological stations and posts] Nastavlenie gidrometeorologicheskim stantsiham i postam. Leningrad, Gidrometeor.izd-vo. No.3, pt.1. [Observations at meteorological stations] Meteorologicheskie nabludeniia na stantsiakh. 1958. 223 p.

(MIRA 12:12)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby. 2. Sotrudniki Metodicheskogo otdela Glavnoy geofizicheskoy observatorii im. A.I.Voyaykova (for Volokh, Gushchina, Igrunov, Nechayev, Pokrovskaya, Trifonova, Tsyganova). 3. Glavnoye upravleniye Gidrometeorologicheskoy sluzhby SSSR (GUGMS)(for Kitaytsev, Kuz'min, Olimpov, Skiteykin). 4. Glavnaya geofizicheskaya observatoriya (OGO) (for Berlin, Nechayev, Rusin, Sherbakova). 5. Mestnyye upravleniya Gidrometeorologicheskoy sluzhby (for Martynov, Simonov, Ivanov, Bessonov).

(Meteorology—Observations)

BERLINE, I.A.

Using the graphic method of juxtaposing meteorological
elements in the analysis of observational data. Trudy GGO
no.108:42-47 '60. (MIRA 13:11)
(Meteorology)

BERLIN, I.A.; ZANINA, A.A.; YEGOROVA, A.Yu.

Some characteristics of the diurnal variation of the air
temperature and relative humidity on the territory of the
U.S.S.R. Trudy GGO no. 112:176-186 '63. (MIRA 17:5)

BERLIN, I.A.

~~Processing of humidity observations. Trudy GGO no. 160:132-137~~
'64. (MIRA 17:9)

BERLIN, L.E.

USSR
retain

Production of boric acid, borax, and boron fertilizers.
L. E. Bello. *Zhur. Priklad. Khim.* 28; 785-801(1955).
The current plant practices for the manuf. of boric acid,
borax, and B fertilizers from Uder mines borates, hydrobor-
acids, and datolite are discussed and outlined diagrammati-
cally. The effect of B fertilizers on different crops is tabulated.
A continuous process was sought but not developed. Borax
cannot be obtained directly from the first 2 minerals; it is
obtained from H_2BO_3 .

I. Bencowitz

pm

MA

TRIFSIK, Raya Borisovna; BERLIN, I.I., nauchn. red.

[Natural gas processing] Pererabotka prirodnogo gaza,
Moskva, TsNIIPI, 1965. 38 p. (MIRA 18:12)

AGAP'YEVA, Galina Mikhaylovna, inzh.; BERLIN, I.I., nauchn. red.

[Improvement of motor fuels by the introduction of additives] Uluchshenie motornykh topliv vvedeniem prisadok.
Moskva, TsNIIPI, 1964. 54 p. (MIRA 18:6)

BERLIN, I. I., PROF.

PA 7/49T69

USSR/Medicine - Tuberculosis, May/Jun 48

Diagnosis
Medicine - Sputum, Examination of

"Clinical and Epidemiological Significance of the
Oligobacillary Condition," Prof I. I. Berlin,
S. M. Bergman, V. S. Ioselevich, M. P. Melashke-
vich, Ye. Yu. Sebshtin, Ye. M. Nlova, Moscow
Oblast Sol Res Tuberculosis Inst, 9 pp

"Problemy Tuberkuleza" No 3

Report extensive observations on 108 oligobacillary
cases. Studied gastric contents by flotation method.
Method is of considerable importance in the

7/49T69

USSR/Medicine - Tuberculosis, May/Jun 48
Diagnosis (Contd)

Differential and diagnostic analyses of nonspecific
and basic tubercular cases or those with accompany-
ing tubercular condition.

7/49T69

BERLIN, I. I.

27952. BERLIN, I. I. -- Ranneye vyyavleniye tuberkuleza legkikh. Trudy XIII
vsesoyuz. S"yezda terapevtov. L., 1949, 8. 366-73.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

BERLIN, II.

33530

Pamyati Prof. N. N. Trinchara (Ftiziater). Problemy Tuberkuleza, 1949 No 5, c. 79

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

BERLIN, I. I.

Importance of rare tubercle bacilli in the diagnosis of pulmonary tuberculosis. Sovet Med. No. 6, June 50. p. 17-9

1. Of Moscow Oblast Scientific-Research Tuberculosis Institute
Director--Prof. F. V. Shebanov.)

GLML 19, 5, Nov., 1950

GRINCHAR, N. N.; BERLIN, I. I.
(*and 30/5/49*)

Tuberculosis - Diagnosis

"Early diagnosis of pulmonary tuberculosis." Reviewed by M. M. Zakin. Probl. tub. No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August ¹⁹⁵² ~~1953~~, Uncl.

BERLIN, I.I.

Early diagnosis of pulmonary tuberculosis
Vel'd. i akksh. no. 4, 1952.

BERLIN, I. I.

Early diagnosis of pulmonary tuberculosis
Vel'd i akush, no. 5, 1952

BERLIN, I.I., professor; SUMBATOV, G.A.; SHERANOV, F.V., professor, direktor.

Results of application of phthivaside in tuberculosis. Klin.med. 31 no.8:
67-71 Ag '53. (MLRA 6:11)

1. Moskovskiy oblastnoy nauchno-issledovatel'skiy tuberkuleznyy institut.
(Tuberculosis) (Nicotinic acid)

BERLIN, I.I.; POMEL'TSOV, K.V.; FAYNSHTEYN, R.B.; OSTROVSKAYA, M.D.;
DAVIDOVA, A.A.

Dynamics of minor forms of pulmonary tuberculosis; data of an
over-all survey in the city Pavlovskiy Posad. Probl. tub. no.3:
31-38 My-Je '54. (MLRA 7:11)

1. Iz Moskovskogo oblastnogo nauchno-issledovatel'skogo tuberkulez-
nogo instituta (dir. prof. F.V.Shebanov) i Pavlovskogo-Posadskogo
tuberkuleznogo dispansera (zav. M.A.Polkanov)
(TUBERCULOSIS, PULMONARY, statistics,
analysis of continous survey)

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Berlin, I.K.

O.P. Kolchin, I.K. Berlin. Synthesis and use of niobium carbide.

Title: Seminar on refractory metals, compounds, and alloys (Kiev, April 1963).

Source: Atomnaya energiya, v. 15, no. 3, 1963, 266-267

KOLCHIN, O.P.; BERLIN, I.K.; PRESNETSOVA, N.V.

Induction zone melting of high-melting rare metals. TSvet. met.
36 no.9:59-65 S '63. (MIRA 16:10)

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and then at 2000 in a vacuum of 0.005-0.0005 mm Hg for 12 hr.

for about 1 hr with TaC powder with particles ranging in size from

0.01 to 0.1 μ m. The required

0.011% N, less than $(1-5) \cdot 10^{-3}\%$ each of Ti, Fe, Si, Mn, S, Al, P, Cu,

and less than $1 \cdot 10^{-4}\%$ Zn. The yield of the sintered is was 95.0% of

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SOURCE: Poroshkovaya metallurgiya, no. 4, 1965, 25-34

TOPIC TAGS: niobium carbide, niobium carbide synthesis, niobium carbide furnace

niobium carbide parts for use mostly as heaters and shields for industrial high-
temperature industrial furnaces for heat treatment of steel